

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414904

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2924 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

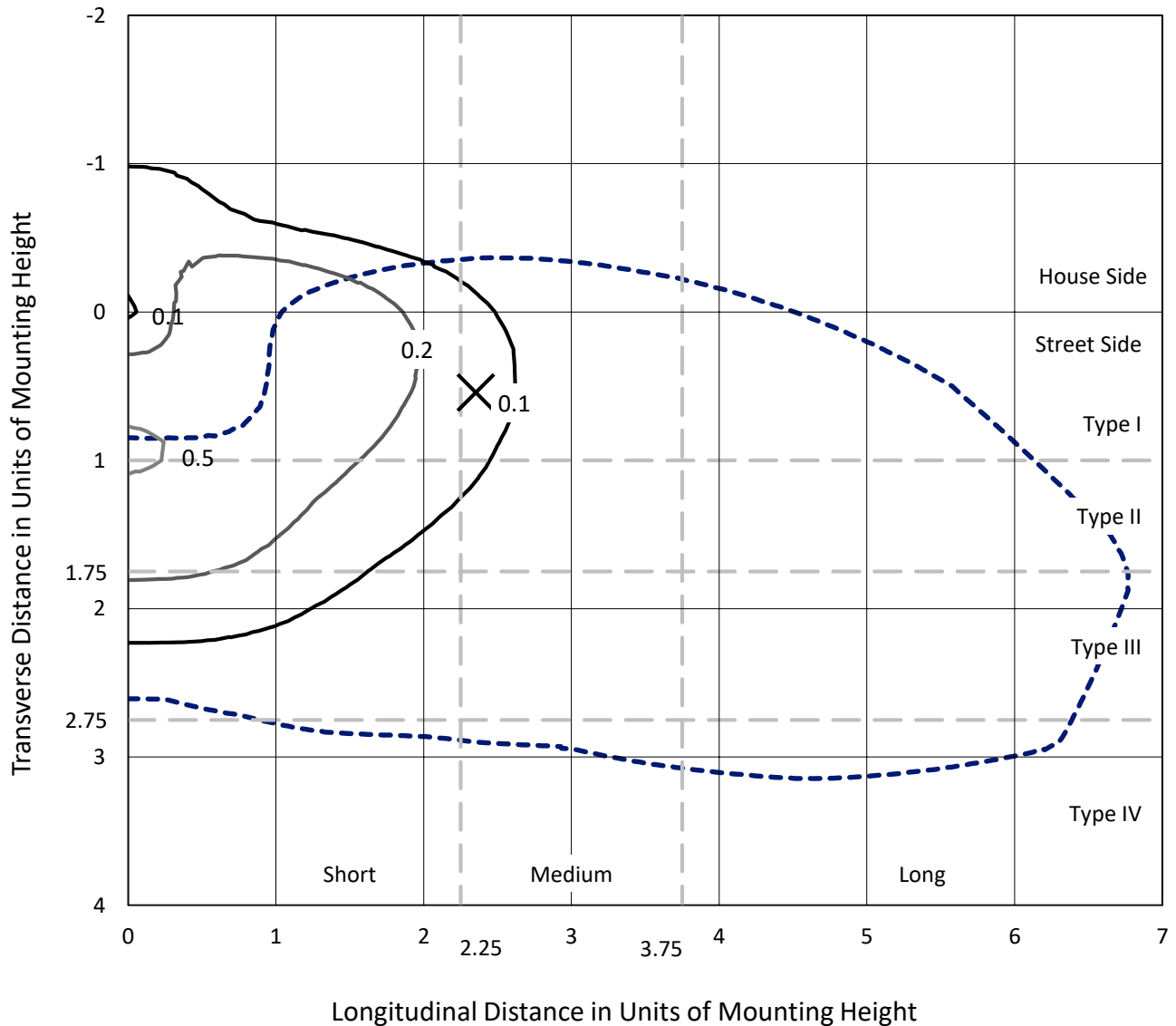
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

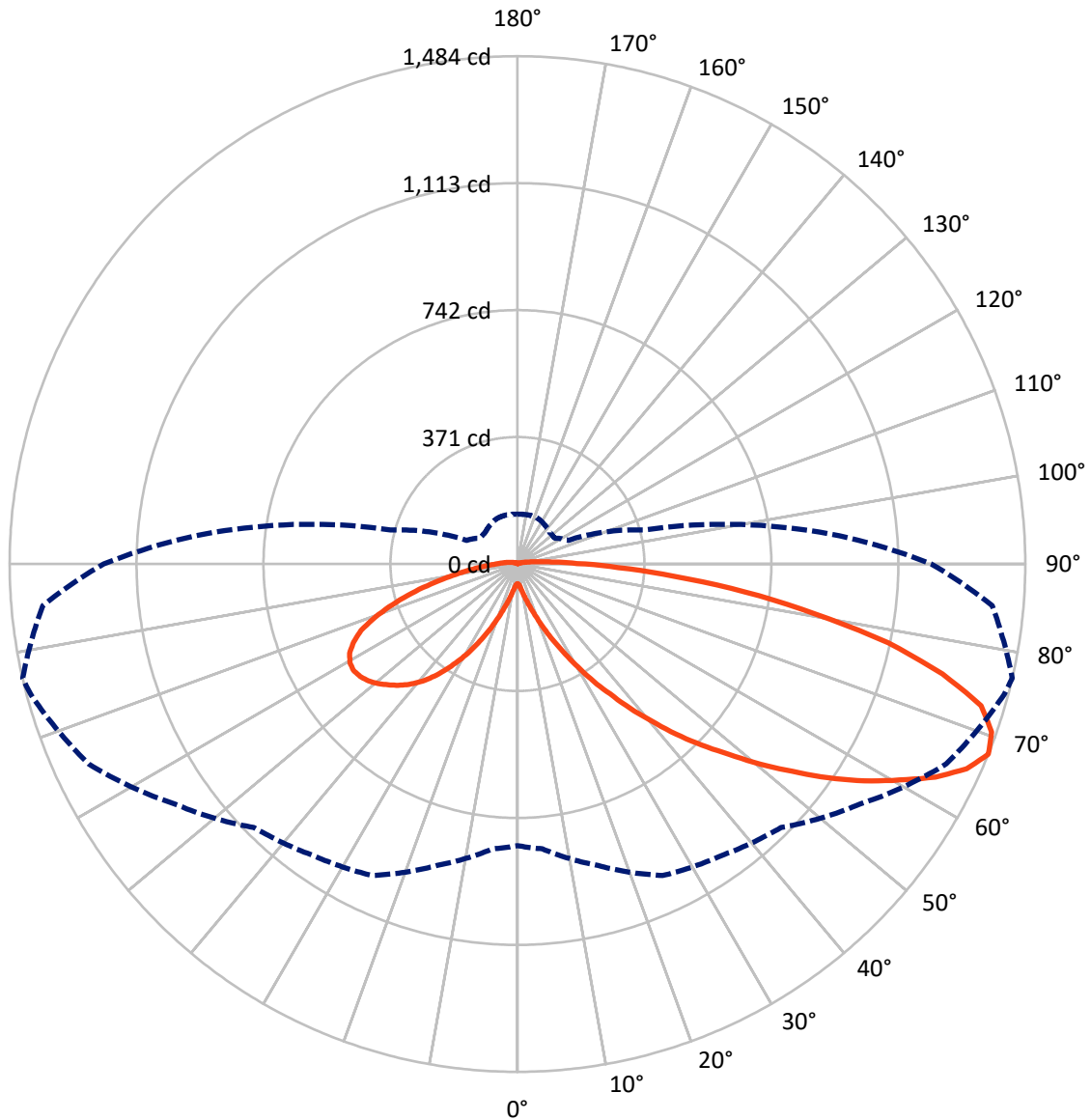
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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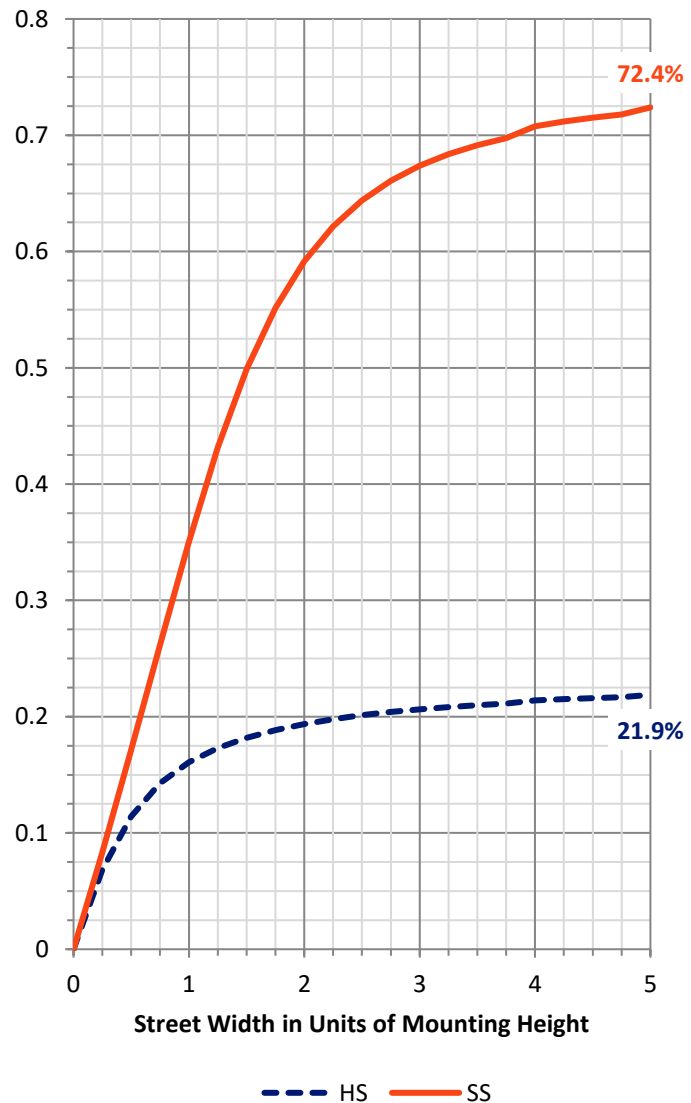
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	667.1	43.9	711.0
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	2164.1	48.9	2213.0
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	2831.1	92.8	2924.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	33.9	1.2
20°-30°	101.3	3.5
30°-40°	224.4	7.7
40°-50°	401.9	13.7
50°-60°	601.9	20.6
60°-70°	709.5	24.3
70°-80°	541.6	18.5
80°-90°	210.0	7.2
90°-100°	53.5	1.8
100°-110°	20.2	0.7
110°-120°	9.5	0.3
120°-130°	5.1	0.2
130°-140°	2.8	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2831.1	96.8
0°-180°	2924.0	100.0



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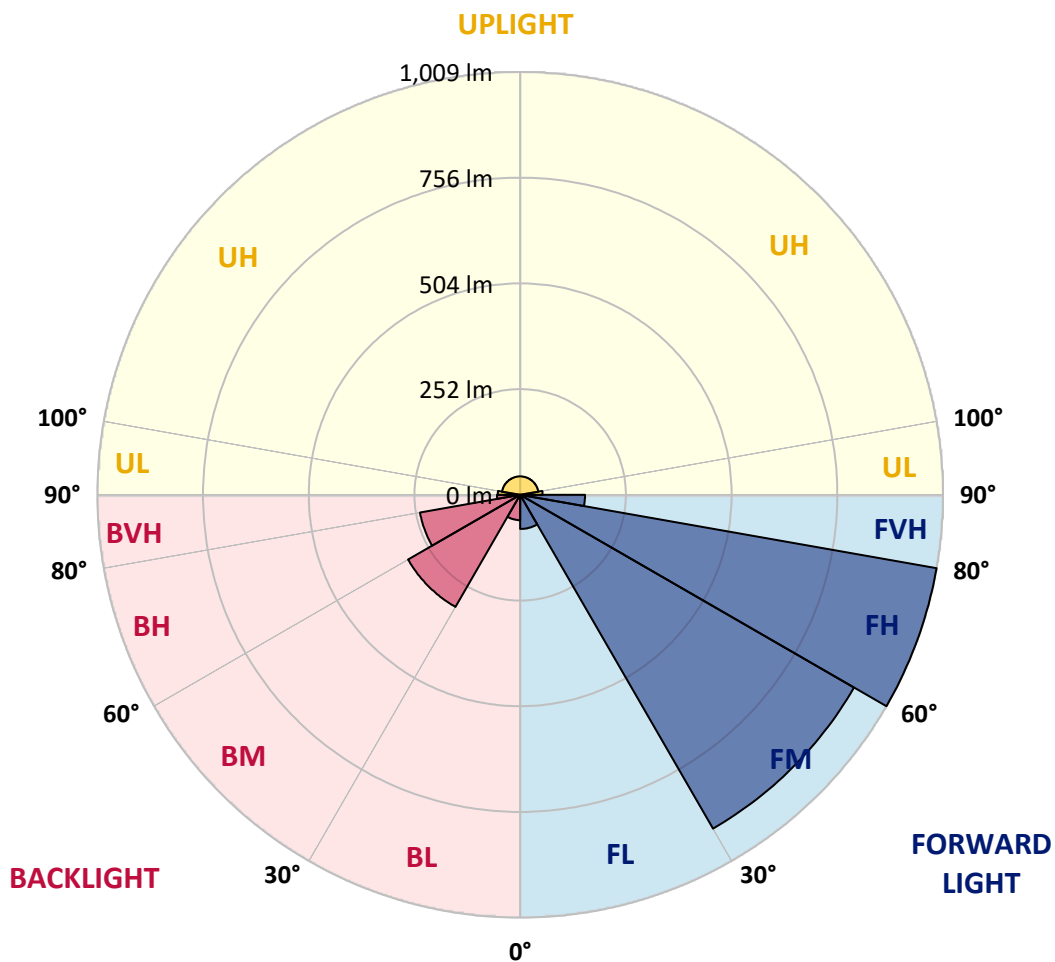
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.5	2.8			
FM	(30°-60°)	919.4	31.4			
FH	(60°-80°)	1008.5	34.5			G1/1800
FVH	(80°-90°)	154.7	5.3			G2/225
BL	(0°-30°)	60.4	2.1	B0/110		
BM	(30°-60°)	308.8	10.6	B1/1000		
BH	(60°-80°)	242.6	8.3	B1/500		G1/500
BVH	(80°-90°)	55.3	1.9			G1/100
UL	(90°-100°)	53.5	1.8		U3/500	
UH	(100°-180°)	43.9	1.5		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	60.8	60.5	60.8	60.8	61.1	60.5	59.8	59.5	59.1	59.1	58.8
5°	67.2	66.5	66.8	67.2	66.8	66.2	65.2	64.8	64.2	64.2	63.5
7.5°	76.3	76.3	75.9	75.2	75.9	74.9	74.2	73.9	72.9	72.9	72.2
10°	90.0	89.4	89.0	88.3	87.7	87.3	86.0	86.0	84.3	84.3	84.0
12.5°	107.8	106.5	106.8	105.5	103.5	102.1	101.4	101.1	101.1	101.1	100.8
15°	129.3	128.3	128.0	125.0	122.9	121.3	119.9	120.3	121.9	121.9	120.9
17.5°	153.9	155.5	152.5	149.8	146.8	143.4	143.4	143.4	144.8	144.8	145.1
20°	188.1	184.8	181.4	177.0	172.0	169.3	168.0	172.0	174.3	174.3	175.4
22.5°	225.7	222.4	218.7	211.6	204.6	199.5	199.5	204.6	210.0	210.0	212.6
25°	268.4	270.4	261.4	250.6	237.8	233.5	234.1	241.5	249.6	249.6	255.3
27.5°	321.1	321.1	313.4	296.3	279.5	270.8	271.4	283.5	295.6	295.6	301.0
30°	385.3	383.0	372.5	349.7	327.5	311.1	314.1	328.9	348.0	348.0	353.7
32.5°	456.9	456.5	436.4	408.1	376.2	356.8	358.1	379.6	403.4	403.4	413.2
35°	536.1	538.2	512.0	471.0	434.0	407.8	412.2	436.7	464.6	464.6	471.0
37.5°	626.8	625.8	594.6	549.9	494.8	466.9	463.6	496.8	526.1	526.1	532.1
40°	727.3	716.5	686.3	630.9	563.0	525.7	526.4	560.7	600.3	600.3	602.3
42.5°	826.4	821.7	785.1	710.1	637.6	593.6	595.3	628.2	669.2	669.2	672.2
45°	933.2	921.4	881.8	804.5	716.2	668.5	664.1	701.1	746.1	746.1	747.1
47.5°	1019.5	1012.1	977.2	894.9	800.5	739.4	732.7	778.0	829.4	829.4	819.7
50°	1091.1	1087.4	1059.8	986.9	882.1	818.7	811.6	856.6	910.4	910.4	904.0
52.5°	1152.9	1146.9	1133.1	1061.2	956.4	886.5	885.5	934.9	1002.1	1002.1	991.7
55°	1172.7	1176.4	1174.4	1123.7	1029.3	953.7	962.1	1028.6	1088.7	1088.7	1075.6
57.5°	1169.7	1169.7	1188.8	1165.7	1078.0	1014.5	1032.6	1112.9	1191.2	1191.2	1163.0
60°	1124.0	1125.0	1171.0	1177.4	1112.9	1066.6	1109.2	1198.6	1278.9	1278.9	1251.0
62.5°	1058.2	1055.8	1123.3	1155.6	1117.3	1097.5	1164.0	1273.5	1361.5	1361.5	1324.6
65°	955.4	959.7	1032.6	1096.8	1094.4	1109.2	1206.6	1341.0	1428.7	1428.7	1375.3
67.5°	822.7	835.4	912.0	1004.1	1039.7	1088.7	1222.4	1382.3	1472.4	1472.4	1392.4
70°	681.6	678.6	761.5	877.1	946.6	1036.3	1205.0	1384.0	1473.4	1473.4	1355.8
72.5°	517.0	529.8	604.3	721.9	825.0	936.9	1148.2	1341.0	1416.9	1416.9	1259.0
75°	367.5	375.2	441.1	558.6	681.6	820.7	1035.0	1247.3	1303.1	1303.1	1119.0
77.5°	242.5	249.6	306.4	413.5	527.4	674.5	882.8	1083.7	1128.0	1128.0	940.3
80°	150.8	154.2	197.2	282.2	383.3	522.7	714.8	886.2	903.6	903.6	723.9
82.5°	89.7	92.4	123.3	181.1	273.1	380.6	538.8	679.2	685.0	685.0	522.0
85°	55.1	58.8	78.6	120.9	182.1	268.4	375.6	472.0	476.0	476.0	345.0
87.5°	35.9	38.0	53.4	78.6	122.6	179.7	251.6	314.1	305.0	305.0	218.0
90°	24.5	25.9	36.6	54.1	83.0	118.9	159.2	196.5	182.1	182.1	132.4
92.5°	17.1	18.5	26.9	39.0	57.4	79.6	103.5	117.6	111.5	111.5	83.3
95°	13.4	14.1	20.5	30.2	42.7	56.4	68.5	72.9	69.2	69.2	56.1
97.5°	10.7	11.4	17.1	24.5	33.3	42.0	47.7	49.0	45.3	45.3	39.0
100°	9.1	9.7	14.4	20.5	27.2	33.3	35.6	35.3	32.2	32.2	28.2
102.5°	8.1	8.4	12.8	17.8	23.2	26.9	28.2	26.5	23.5	23.5	21.2
105°	7.1	7.7	11.1	15.5	19.8	22.8	22.8	20.8	17.5	17.5	16.1
107.5°	6.7	6.7	9.7	13.4	17.1	19.1	19.1	16.8	13.8	13.8	12.4
110°	6.0	6.4	8.7	11.8	14.8	16.5	16.1	13.4	10.4	10.4	9.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.7	5.7	7.7	10.4	12.8	14.1	13.4	11.1	8.4	8.1	7.7
115°	5.4	5.4	7.1	9.4	11.4	12.4	11.4	9.1	6.7	6.4	6.7
117.5°	5.0	5.4	6.4	8.4	10.1	10.7	9.7	7.7	5.7	5.4	5.7
120°	5.0	5.0	6.0	7.4	8.7	9.4	8.4	6.4	4.7	4.7	5.0
122.5°	5.0	5.0	5.7	6.7	7.7	8.1	7.1	5.4	4.4	4.4	4.7
125°	4.7	4.7	5.4	6.0	7.1	7.1	6.4	4.7	3.7	3.7	4.4
127.5°	4.7	4.7	5.0	5.7	6.4	6.4	5.4	4.0	3.4	3.7	4.0
130°	4.4	4.4	4.7	5.0	5.7	5.4	4.7	3.7	3.0	3.4	3.7
132.5°	4.4	4.4	4.4	4.7	5.0	4.7	4.0	3.0	3.0	3.0	3.4
135°	4.0	4.0	4.4	4.4	4.4	4.0	3.4	2.7	2.7	2.7	3.0
137.5°	4.0	4.0	4.0	4.0	4.0	3.7	3.0	2.4	2.4	2.4	2.7
140°	3.7	3.7	3.7	3.4	3.4	3.0	2.4	2.0	2.0	2.0	2.4
142.5°	3.4	3.4	3.4	3.0	3.0	2.4	2.0	1.7	1.7	2.0	2.0
145°	3.0	3.0	3.0	2.7	2.4	2.0	1.3	1.3	1.7	1.7	2.0
147.5°	2.4	2.4	2.4	2.4	1.7	1.7	1.0	1.3	1.3	1.7	1.7
150°	2.0	2.0	2.0	2.0	1.3	1.0	0.7	1.0	1.3	1.3	1.3
152.5°	1.7	1.7	1.7	1.7	1.0	0.7	0.7	1.0	1.0	1.0	1.3
155°	1.0	1.0	1.3	1.0	0.7	0.3	0.7	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.7	1.0
160°	0.3	0.3	0.7	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	58.5	58.8	58.5	58.1	58.1	57.8	57.8	57.8	57.8	57.4	57.4
5°	63.8	63.5	63.2	62.5	61.8	61.1	61.1	60.8	60.5	60.1	60.1
7.5°	71.2	71.2	70.5	69.5	68.5	67.9	67.2	66.8	65.8	65.8	65.5
10°	82.6	82.6	80.6	79.6	77.9	76.3	75.6	74.6	73.9	73.6	73.2
12.5°	99.1	98.1	96.1	92.7	89.4	86.7	85.0	84.3	84.7	84.7	85.0
15°	120.3	118.2	115.2	108.8	102.8	98.8	97.8	97.8	98.1	98.1	98.4
17.5°	145.5	142.4	135.7	127.7	118.9	113.5	111.2	111.2	111.9	112.9	113.9
20°	176.0	173.3	162.9	148.8	135.7	128.7	124.6	124.3	125.6	128.7	128.0
22.5°	210.6	207.6	192.1	171.7	153.5	142.1	137.7	139.1	142.4	144.4	144.4
25°	252.3	247.2	224.1	194.2	171.0	154.9	149.2	151.2	156.2	158.6	159.6
27.5°	297.0	290.2	259.3	218.7	184.8	165.3	159.2	161.9	168.0	171.7	172.7
30°	350.0	338.3	296.3	241.5	197.2	172.7	166.3	171.3	178.0	182.4	183.4
32.5°	405.8	387.7	328.2	261.0	206.3	177.7	171.3	177.4	184.8	189.8	190.1
35°	461.6	440.7	363.5	276.8	211.0	180.1	173.3	180.4	188.5	192.5	193.5
37.5°	522.0	493.1	394.0	286.9	213.0	179.7	173.3	180.4	188.1	191.5	192.1
40°	580.1	544.5	421.3	292.9	212.3	177.0	171.0	178.4	185.1	187.4	187.1
42.5°	645.3	594.3	443.1	293.3	207.6	173.0	168.0	174.3	179.0	178.7	179.0
45°	707.5	647.0	459.2	290.9	201.2	168.0	163.9	169.6	171.3	169.6	169.3
47.5°	775.7	699.4	472.0	284.9	193.5	163.3	159.6	163.9	164.3	160.6	159.9
50°	847.9	751.8	483.7	273.8	184.4	157.9	155.5	159.2	158.6	152.5	151.5
52.5°	918.4	804.9	491.1	260.3	175.4	153.2	152.2	155.9	153.9	146.8	145.5
55°	993.7	853.9	492.5	246.9	166.6	149.2	149.2	153.2	150.8	143.4	142.4
57.5°	1067.2	905.3	487.4	229.4	158.2	144.8	146.8	151.5	149.8	142.4	141.8
60°	1136.1	944.0	473.7	213.0	150.5	141.8	145.1	150.5	149.2	143.1	142.4
62.5°	1189.5	969.5	451.8	196.9	143.8	138.7	143.4	148.8	149.2	144.1	144.4
65°	1214.4	969.5	420.2	180.7	137.7	135.7	141.8	147.8	148.5	145.5	145.5
67.5°	1209.0	944.6	384.6	163.9	132.0	132.0	139.4	145.8	147.1	145.8	145.8
70°	1152.2	877.4	335.9	150.5	126.3	127.7	135.7	142.4	144.4	144.8	144.4
72.5°	1059.8	776.3	285.5	136.4	120.3	123.3	131.0	137.7	140.4	141.1	140.8
75°	917.1	659.1	236.2	124.6	113.9	117.6	125.6	131.3	134.4	135.7	135.0
77.5°	737.0	523.0	193.5	112.9	106.5	110.5	118.2	122.9	126.6	128.3	127.0
80°	561.7	389.3	153.9	101.1	97.4	101.8	108.5	113.5	116.9	117.6	116.6
82.5°	398.7	276.1	123.3	90.0	87.7	91.4	97.4	100.8	104.8	104.5	102.5
85°	261.4	187.4	96.7	78.3	77.3	79.6	84.3	86.3	90.4	90.4	88.0
87.5°	170.0	124.3	76.3	65.8	66.8	68.9	71.2	72.9	74.6	74.9	72.9
90°	108.5	85.0	60.8	56.1	57.1	58.8	58.8	58.5	61.1	61.8	60.1
92.5°	71.2	60.5	50.4	47.7	48.4	48.7	48.7	47.4	49.7	50.1	48.7
95°	50.1	45.3	41.7	41.0	41.0	41.0	40.3	38.6	40.6	40.6	40.0
97.5°	37.6	35.3	34.9	34.9	34.9	34.6	33.6	32.9	33.6	33.6	33.3
100°	28.2	27.9	28.9	29.6	29.9	29.6	28.9	27.9	27.9	26.5	26.9
102.5°	21.5	22.2	24.2	25.2	25.2	25.2	24.9	23.5	22.8	21.5	21.2
105°	16.8	17.5	19.8	21.2	21.5	21.8	21.2	19.8	18.5	17.1	16.8
107.5°	13.1	14.1	16.1	17.8	18.5	18.5	18.1	16.8	15.1	13.4	13.4
110°	10.7	11.4	13.4	15.1	15.8	15.8	15.5	13.8	12.1	10.7	10.7



REPORT NUMBER: P414904

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.7	9.4	11.4	12.8	13.4	13.8	13.1	11.8	10.1	8.7	8.7
115°	7.4	8.1	9.7	10.7	11.4	11.4	11.1	9.7	8.4	7.4	7.4
117.5°	6.4	7.1	8.4	9.4	9.7	10.1	9.4	8.4	7.1	6.4	6.4
120°	5.7	6.0	7.4	8.1	8.4	8.4	8.1	7.1	6.0	5.7	5.7
122.5°	5.0	5.7	6.4	7.1	7.4	7.4	7.1	6.0	5.4	5.0	5.4
125°	4.7	5.0	5.7	6.4	6.4	6.4	6.0	5.4	4.7	4.7	4.7
127.5°	4.4	4.7	5.0	5.4	5.7	5.7	5.4	4.7	4.4	4.4	4.4
130°	4.0	4.4	4.7	4.7	5.0	5.0	4.7	4.0	4.0	4.0	4.0
132.5°	3.7	4.0	4.0	4.4	4.4	4.4	4.0	3.7	3.7	3.7	3.7
135°	3.4	3.4	3.7	3.7	3.7	3.7	3.4	3.4	3.4	3.4	3.4
137.5°	3.0	3.0	3.4	3.0	3.4	3.0	3.0	2.7	3.0	3.0	3.0
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.4	2.7	2.7	2.7
142.5°	2.4	2.4	2.4	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4
145°	2.0	2.0	2.0	1.7	1.7	1.3	1.7	1.7	2.0	2.0	2.0
147.5°	1.7	1.7	1.7	1.7	1.3	1.0	1.0	1.3	1.7	1.7	1.7
150°	1.3	1.7	1.7	1.3	1.0	0.7	0.7	1.0	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.3	0.7	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	0.7	0.3	0.0	0.7	0.7	0.7	0.7
157.5°	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.3	0.7	0.3	0.3
160°	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.3	0.3	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)